





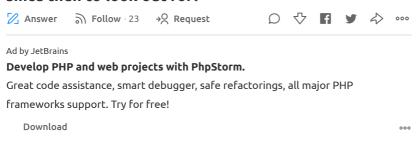
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Linux Kernel Development Linux Kernel Linux

Is the book "Linux Kernel Development" (3rd Edition) by Robert Love, which is based on Linux version 2.6, still a good read today to learn the Linux kernel fundamentals? What're the most significant changes since then to look out for?



4 Answers



Neeraj Pal, Passionate for kernel, Linux kernel. Answered Sep 20, 2017



Most of the Linux Kernel Development books are based on Linux Kernel 2.6 and also if you make a search on Google then also there are some basic codes which are focussed on linux kernel 3.0 and some like one or two codes for linux kernel 4.0.

Now , if you are passionate enough then just read all those books and learn the concepts . Because every kernel book is best for learning Linux Internals or learning kernel concepts.

But, then for proper learning you also need to practically implement all codes in your Linux Kernel .You can also opt for kernel 2.6 but , I would suggest you to download latest current mainline kernel source and then compile it with proper configurations and after reading and learning theoretical concepts from every chapter in every book start implementing your own kernel codes for practical learning.

Now, what if you encounters some specific problem like suppose you learned concepts according to kernel 2.6 but in kernel 4.14-rc1 some functions are updated and modified.Then, at that time you just search about the problem in Google search for some hints or some solutions, if unable to find, then go to linux - Elixir - Free **Electrons** and find the same function which is modified and then read code from there and start implementing . If you find some difficulty then ask questions on platforms like Hot Questions - Stack Exchange , https://www.quora.com/, Mailing List etc.

Then, Now, if you want to know what are the changes in codes in between versions of Linux Kernel then go to **The Linux Kernel Archives** and click on "**view diff**" and then scroll and search for your file and see the changes in code.

Also follow Welcome to LWN.net articles and also LinuxChanges - Linux Kernel Newbies

Note:

- This answer is based on my real daily life experience because at first i also struggled with lots of difficulties but now I am enjoying the learning process of Linux Kernel.
- And, you should also make proper codes of every implementation in newest Linux Kernel and also make git repo of your updated codes. So, in future if someone seeks to get help then he/she will find updated kernel codes.

Reference Books for Linux Kernel:

- LKMPG (The Linux Kernel Module Programming Guide).
- Linux Kernel Development By Robert Love.
- Linux Device Drivers 3rd Edition (LDD3).
- Essential Linux Device Drivers By Sreekrishnan Venkateswaran.

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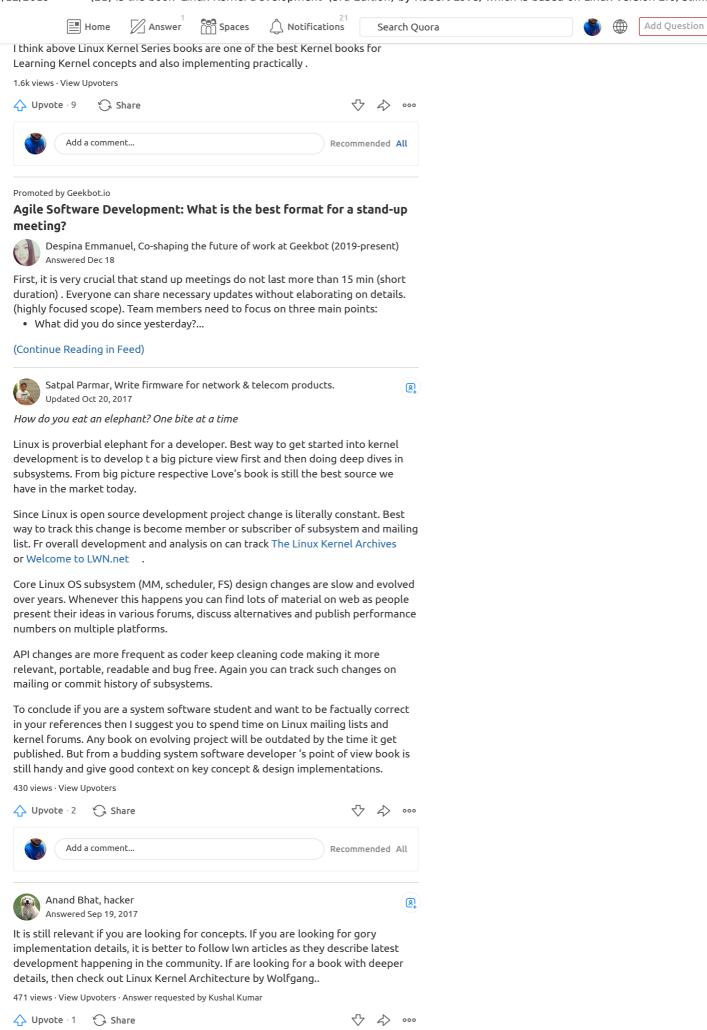
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